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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,651	09/05/2003	Chung-Chiun Liu	020451	8328
26285 7590 09/24/2007 KIRKPATRICK & LOCKHART PRESTON GATES ELLIS LLP 535 SMITHFIELD STREET PITTSBURGH, PA 15222			EXAMINER TRAN, PABLO N	
			ART UNIT 2618	PAPER NUMBER
			MAIL DATE 09/24/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Notice of Allowability***Supplemental*

Application No.

10/656,651

Examiner

Pablo N. Tran

Applicant(s)

LIU ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05/09/06.
2. ☒ The allowed claim(s) is/are 1-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other _____   |

## DETAILED ACTION

### *Examiner's Amendment*

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Due to an inadvertent scanning process, the original claims from 39-43 was left out of the submitted set of claims filed on 05/09/06.

The application has been amended as follows: the original claims 39-43, filed on 09/05/03, are included in the submitted set of claims filed on 05/09/06.

39. (Original) A miniaturized multi-channel wireless telemetry system, comprising: a transmitter, wherein the transmitter includes:

- a signal processing chip, wherein the signal processing chip includes:
  - a plurality of input preamplifiers;
  - a plurality of selective second amplifiers, wherein each selective second amplifier is connected to a different input preamplifier;
  - a subcarrier oscillator connected to the selective second amplifiers;
  - a timing circuit connected to the subcarrier oscillator;
  - a calibration circuit connected to the timing circuit; and

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a 1-of-several decoder connected to the timing circuit; and  
a receiver in communication with the transmitter.

40. (Original) The system of claim 39, wherein the receiver includes:

an antenna;

a radio receiver connected to the antenna; and

a demodulator connected to the radio receiver.

41. (Original) The system of claim 40, wherein the demodulator includes:

a pulse separator circuit;

a counter circuit connected to the pulse separator circuit;

a digital-to-analog converter circuit connected to the counter circuit;

a plurality of amplifier/filter circuits connected to the digital-to-analog converter circuit;

a plurality low-pass filter circuits, wherein each of the low-pass filter circuits is connected to a different amplifier/filter circuit; and

a plurality of block/buffer circuits, wherein each of the block/buffer circuits is connected to a different low-pass filter circuit.

42. (Original) The system of claim 41, wherein the demodulator further includes a plurality of I/f converters, wherein each of the I/f converters is connected to a different low pass filter circuit.

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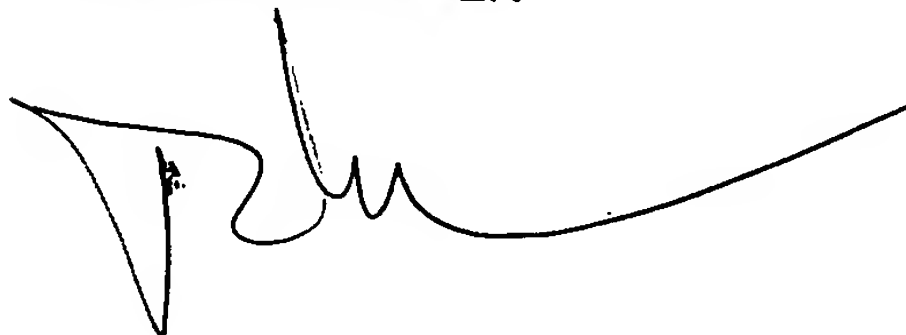
43. (Original) The system of claim 42, wherein each of the I/f converters is connected to a different block/buffer circuit.

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pablo Tran whose telephone number is (571)272-7898. The examiner normal hours are 9:30 -5:00 (Monday-Friday). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571)272-7899. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) System. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-directauspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**PABLO N. TRAN**  
**PRIMARY EXAMINER**



AN 2618

September 19, 2007